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## CORE Lab Projects (archived)

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# CORE Lab Projects - Naval Postgraduate School

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 [my.nps.edu/web/core/projects](https://my.nps.edu/web/core/projects)

## Web Content Display Web Content Display

### CORE Lab Projects

## Web Content Display Web Content Display

#### Social Media Exploitation

CORE develops methodologies to exploit social media for use in mapping dark networks and understanding the operational environment by analyzing open source social media.

 CORE SOCIAL MEDIA  
EXPLOITATION

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 CORE MERCURY

#### Mercury

Mercury is a structured data collection platform to supplement ASOMs and MLE activities.

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 CORE SPEAKEASY

#### CORE Speakeasy

CORE Speakeasy is a web-based application that standardizes the collection of human terrain network data (both structured and unstructured) in a central database and allows the FAO community as a whole to collaborate on the collection of this data. In addition to a shared database and standardized collection method, the application provides visualizations of networks as well as allows the FAO community to apply the CORE Lab's social network analysis (SNA) methodologies. Speakeasy relies on and utilizes the vast and first-hand knowledge of FAOs to populate the networks and will be beneficial in seeing how the different networks are connected to each other. Furthermore, it maps how our FAO network is connected to allied (blue), host (green), and adversarial (red) networks.

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#### CORENet

CORENet is a scalable web-based application that assists Military Information Support Operations (MISO) analysts with visualizing and analyzing open source data to draw meaningful conclusions and assist decision making on a given operational problem set. The primary objectives are to (1) develop a tactically focused web-based interface that enables analysts to conduct doctrinal MISO analysis on a given target audience, (2) develop, integrate, and illustrate the capability to use social network analysis (SNA) within the interface to inform the target audience analysis—more specifically a web-based SNA application, and (3) restrict development to open source platforms.

 CORENET

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## Dynamic Twitter Network Analysis

DTNA is a [web application](#) that allows an analyst the ability to: 1) collect information on Twitter (by hashtag, username, or keyword); 2) visualize this information or network in real-time; 3) change initial search criteria based on the visualization and applied social network analysis properties; 4) monitor sentiment or emotion of a particular keyword; and 5) create a word ontology or taxonomy to sway opinion on this particular keyword. [Get info on how to use it here.](#)



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### Lighthouse

The Lighthouse project focus on the integration of commercial-off-the-shelf and open-source technology and analytic methods developed in the Common Operational Research Environment to help solve complex problems.



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### CORE SSE

A solution to resolving current shortfalls with Sensitive Site Exploitation (SSE) is to design a mobile device application with back end structure that can process, structure, and fuse the captured data near real-time from the objective with intelligence databases.



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### IEDNA

IEDNA can rapidly identify potential bomb-making cells by virtue of the overall similarities of IEDs.

